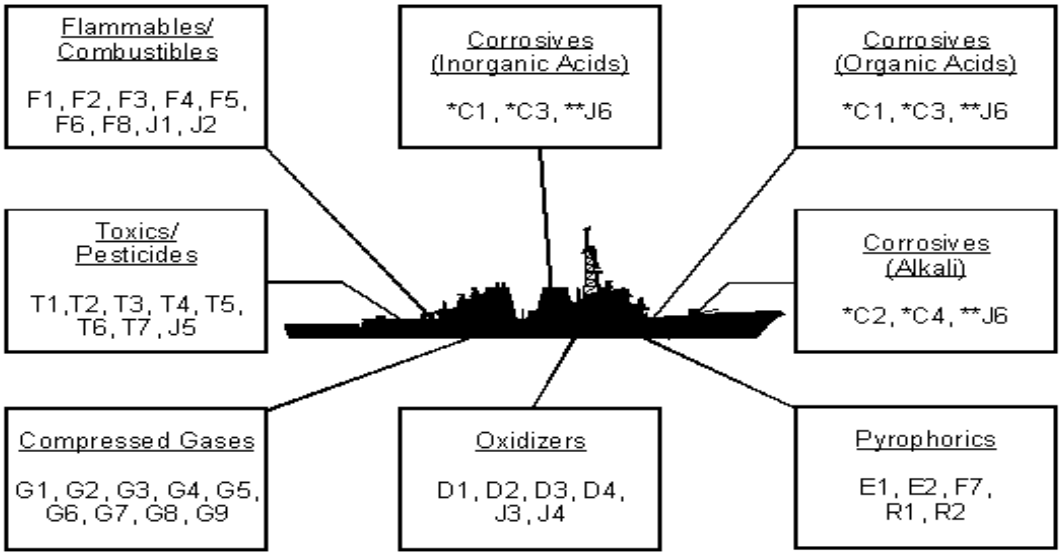
Appendix C23-C

HAZARDOUS MATERIAL COMPATIBILITY STORAGE DIAGRAM
(USING HMIS HAZARD CHARACTERISTIC CODE (HCC))

The Hazardous Characteristic Code (HCC) for each SHML item can be found in the Hazardous Material Information System (HMIS). The HCC and their intended use are defined and explained in appendix C23-D.



Instructions:

1. Each block represents a separate stowage location. The codes in the boxes are grouped with other codes with which they are compatible for storage. Generally, materials with different codes will not be stowed together unless specified below:

a. Inorganic acids may be stowed in a flammable liquid storeroom inside a designated locker, separated by at least three feet from all other material.

b. Organic acids may be stowed in a flammable liquid storeroom inside a designated locker, separated by at least three feet from all other material.

NOTES:

*C1, C3 - HM identified with the C1 or C3 code may be either an inorganic or an organic acid. See page C23-C-2 for examples of inorganic and organic acids.

** J6 - HM identified with J6 may be an inorganic acid, organic acid, or alkali. See page C23-C-2 for examples of inorganic/organic acids and alkalis.

2. All aerosol containers shall be stowed as flammable material.

Appendix C23-C

ACID AND ALKALI EXAMPLES

The table below lists commom examples of inorganic acid, organic acid, and alkali. Acids identified with the HCC code C1 or C3 may be either inorganic or organic, check carefully before storing. HM items with HCC code J6 may be an inorganic acid, an organic acid, or a alkali; check carefully before storing.

Inorganic acid (C1, C3, J6)	Organic acid (C1, C3, J6)	Alkali (C2, C4, J6)
Alodine	Acetic acid	Ammonia
Aqua fortis	Citric acid	Ammonium hydroxide
Boric acid	Cresol	Barium hydroxide
Chromic acid	Cresylic acid	Calcium hydroxide
Hydrochloric acid	Glacial acetic acid	Caustic soda
Hydrofluoric acid	Oxalic acid	Caustic potash
Muriatic acid	Sulfosalicylic acid	Diethylenetriamine
Nitric acid	Trichloroacetic acid	Lithium hydroxide
Oil of Vitriol (sulfuric acid)	Vinegar	Monoethanolamine
Orthotolidine solution		Morpholine
Phosphoric acid		Potassium carbonate
Sodium bisulfate		Potassium hydroxide
Sulfamic acid		Soda lime
Sulfuric acid		Sodium sulfide
		Sodium hydroxide
		Sodium metasilicate
		Sodium phosphate
		Sodium silicate
		Sodium hypochlorite
		Tetraethylenepentamine